

AMENDMENT UNDER 37 C.F.R. § 1.111
Appln. No.: 09/965,887

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Original) An information offering method for a vehicle comprising the steps of:
calculating a histogram of vehicle information or a standard deviation during use of a vehicle based on at least one of vehicle information relating to fuel consumption of the vehicle, the vehicle information being output from a vehicle information detector when a predetermined time elapses after a beginning of the use of the vehicle;

marking the vehicle information based on a point set in the histogram or the standard deviation; and

calculating an evaluation result based on the point of each of the marked vehicle information to notify a driver of the calculated evaluation result.


2. (Original) An information offering method for a vehicle as claimed in claim 1, wherein the evaluation result comprises an evaluation result of the driving situation of the vehicle.

3. (Original) An information offering method for a vehicle as claimed in claim 1, wherein the vehicle information detector comprises at least any one of a vehicle speed sensor, an acceleration sensor and a distance sensor.

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4. (Original) An information offering method for a vehicle as claimed in claim 1, wherein the vehicle information comprises at least any one of a traveling distance, an idling time, a traveling speed and an acceleration of the vehicle.

5. (Original) An information offering method for a vehicle as claimed in claim 1, wherein the marking of the vehicle information is performed in consideration of the quantity of fuel consumption, the quantity of exhaust gas to be emitted, or components of the exhaust gas of the vehicle during the use of the vehicle.



6. (Original) An information offering method for a vehicle comprising the steps of:
detecting a first vehicle speed pulse output from a vehicle speed pulse sensor during use of a vehicle and a second vehicle speed pulse output from the vehicle speed pulse sensor when a predetermined time elapses after the beginning of the use of the vehicle;

calculating a histogram of vehicle information or a standard deviation based on at least one of vehicle information relating to fuel consumption of the vehicle from the first vehicle speed pulse and the second vehicle speed pulse;

marking the vehicle information based on a point set in the histogram or the standard deviation; and

calculating an evaluation result based on the point of each of the marked vehicle information to notify a driver of the calculated evaluation result.

7. (Original) An information offering method for a vehicle as claimed in claim 6,

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wherein the evaluation result comprises an evaluation result of the driving situation of the vehicle.

8. (Original) An information offering method for a vehicle as claimed in claim 6, wherein the vehicle information comprises at least any one of a traveling distance, an idling time, a traveling speed and an acceleration of the vehicle.

9. (Original) An information offering method for a vehicle as claimed in claim 6, wherein the marking of the vehicle information is performed in consideration of the quantity of fuel consumption, the quantity of exhaust gas to be emitted, or components of the exhaust gas of the vehicle during the use of the vehicle.

10. (Original) An information offering apparatus for a vehicle comprising:
a device for setting at least one piece of vehicle information relating to fuel consumption of a vehicle, the vehicle information being output from a vehicle information detector when a predetermined time elapses after the beginning of use of the vehicle;

a device for calculating a histogram of vehicle information or a standard deviation during the use of the vehicle based on the set vehicle information;

a device for marking the vehicle information based on a point set in the histogram or the standard deviation;


a device for calculating an evaluation result based on the point of each of the marked vehicle information; and

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an notifying device for notifying a driver of the evaluation result.

11. (Original) An information offering apparatus for a vehicle as claimed in claim 10, wherein the notifying device comprises at least either one of a display and a sound output unit mounted on the vehicle.

 12. (Original) An information offering apparatus for a vehicle as claimed in claim 10, wherein the evaluation result comprises an evaluation result of the driving situation of the vehicle.

13. (Original) An information offering apparatus for a vehicle as claimed in claim 10, wherein the vehicle information detector comprises at least any one of a vehicle speed sensor, an acceleration sensor and a distance sensor.

14. (Original) An information offering apparatus for a vehicle as claimed in claim 10, wherein the vehicle information comprises at least any one of a traveling distance, an idling time, a traveling speed and an acceleration of the vehicle.

15. (Original) An information offering apparatus for a vehicle comprising:
a device for detecting a first vehicle speed pulse output from a vehicle speed pulse sensor during use of a vehicle and a second vehicle speed pulse output from the vehicle speed pulse sensor when a predetermined time elapses after the beginning of the use of the vehicle;


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a device for calculating a histogram of vehicle information or a standard deviation based on at least one of vehicle information relating to fuel consumption of the vehicle from the first vehicle speed pulse and the second vehicle speed pulse;

a device for marking the vehicle infotiation based on a point set in the histogram or the standard deviation;

a device for calculating an evaluation result based on the point of each of the marked vehicle information; and

an notifying device for notifying a driver of the evaluation result.



16. (Original) An information offering apparatus for a vehicle as claimed in claim 15, wherein the notifying device comprises at least either one of a display and a sound output unit mounted on the vehicle.

17. (Original) An information offering apparatus for a vehicle as claimed in claim 15, wherein the evaluation result comprises an evaluation result of the driving situation of the vehicle.


18. (Original) An information offering apparatus for a vehicle as claimed in claim 15, wherein the vehicle information comprises at least any one of a traveling distance, an idling time, a traveling speed and an acceleration of the vehicle.

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19. (New) An information offering method according to claim 1, further comprising the step of notifying the user of the calculated evaluation result after the use of the vehicle is ended.

20. (New) An information offering method according to claim 1, wherein the vehicle comprises a backup battery, and wherein the evaluation result is notified by using a power supply from the backup battery after the use of the vehicle is ended.



21. (New) An information offering method according to claim 6, further comprising the step of notifying the user of the calculated evaluation result after the use of the vehicle is ended.

22 (New) An information offering method according to claim 6, wherein the vehicle comprises a backup battery, and wherein the evaluation result is notified by using a power supply from the backup battery after the use of the vehicle is ended.

23. (New) An information offering apparatus according to claim 10, wherein the notifying device notifies the driver of the calculated evaluation result after the use of the vehicle is ended.

24. (New) An information offering apparatus according to claim 10, further comprising a backup battery, and wherein the notifying device notifies the evaluation result using a power supply from the backup battery after the use of the vehicle is ended.

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25. (New) An information offering apparatus according to claim 15, wherein the notifying device notifies the driver of the calculated evaluation result after the use of the vehicle is ended.

26. (New) An information offering apparatus according to claim 15, further comprising a backup battery, and wherein the notifying device notifies the evaluation result using a power supply from the backup battery after the use of the vehicle is ended.

27. (New) An information offering method for a vehicle comprising the steps of:
calculating an accumulative information during use of a vehicle based on at least one of vehicle information relating to fuel consumption of the vehicle, the vehicle information being output from a vehicle information detector when a predetermined time elapses after a beginning of the use of the vehicle;

marking the vehicle information based on a point set in the accumulative information;
and

calculating an evaluation result based on the point of each of the marked vehicle information to notify a driver of the calculated evaluation result.

28. (New) An information offering method according to claim 27, further comprising the step of notifying the user of the calculated evaluation result after the use of the vehicle is ended

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29. (New) An information offering method according to claim 27, wherein the vehicle comprises a backup battery, and wherein the evaluation result is notified by using a power supply from the backup battery after the use of the vehicle is ended.

30. (New) An information offering method for a vehicle comprising the steps of:
detecting a first vehicle speed pulse output from a vehicle speed pulse sensor during use of a vehicle and a second vehicle speed pulse output from the vehicle speed pulse sensor when a predetermined time elapses after the beginning of the use of the vehicle;

calculating an accumulative information based on at least one of vehicle information relating to fuel consumption of the vehicle from the first vehicle speed pulse and the second vehicle speed pulse;

marking the vehicle information based on a point set in the accumulative information;
and

calculating an evaluation result based on the point of each of the marked vehicle information to notify a driver of the calculated evaluation result.

31. (New) An information offering method according to claim 30, further comprising the step of notifying the user of the calculated evaluation result after the use of the vehicle is ended.

32. (New) An information offering method according to claim 30, wherein the vehicle comprises a backup battery, and wherein the evaluation result is notified by using a power supply from the backup battery after the use of the vehicle is ended.

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33. (New) An information offering apparatus for a vehicle comprising:

a device for setting at least one piece of vehicle information relating to fuel consumption of a vehicle, the vehicle information being output from a vehicle information detector when a predetermined time elapses after the beginning of use of the vehicle;

a device for calculating an accumulative information during the use of the vehicle based on the set vehicle information;

a device for marking the vehicle information based on a point set in the accumulative information;

a device for calculating an evaluation result based on the point of each of the marked vehicle information; and

an notifying device for notifying a driver of the evaluation result.


34 (New) An information offering apparatus according to claim 33, wherein the notifying device notifies the driver of the calculated evaluation result after the use of the vehicle is ended.

35. (New) An information offering apparatus according to claim 33, further comprising a backup battery, and wherein the notifying device notifies the evaluation result using a power supply from the backup battery after the use of the vehicle is ended.

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36 (New) An information offering apparatus for a vehicle comprising:
a device for detecting a first vehicle speed pulse output from a vehicle speed pulse sensor during use of a vehicle and a second vehicle speed pulse output from the vehicle speed pulse sensor when a predetermined time elapses after the beginning of the use of the vehicle;

a device for calculating a histogram of vehicle information or a standard deviation based on at least one of vehicle information relating to fuel consumption of the vehicle from the first vehicle speed pulse and the second vehicle speed pulse;

 a device for marking the vehicle information based on a point set in the accumulative information;

a device for calculating an evaluation result based on the point of each of the marked vehicle information; and

an notifying device for notifying a driver of the evaluation result.

37. (New) An information offering apparatus according to claim 36, wherein the notifying device notifies the driver of the calculated evaluation result after the use of the vehicle is ended.

38. (New) An information offering apparatus according to claim 36, further comprising a backup battery, and wherein the notifying device notifies the evaluation result using a power supply from the backup battery after the use of the vehicle is ended.
